Display for a portable device

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- WO9966696 (A1)
- EP1066711 (A1)
- US6349221 (B1)
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- EP1066711 (A0)

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Abstract not available for CN1275287
Abstract of corresponding document: **GB2338579**

A portable device, for example a portable phone 1, has a display comprising a first element 2 and a second element 3. The first element 2 is adapted to display information, and the second element 3 is an electrochromic element, which at least partially covers the first element 2. This has the advantage of allowing the electrochromic window to enhance the design flexibility of the display and reduces the power consumption by switching off the first display element when the device is placed into a standby mode, and switching the electrochromic element into a non-transparent state to indicate that it is in said standyby mode. The device may also be used with other portable devices such as a personal organiser or laptop computer.

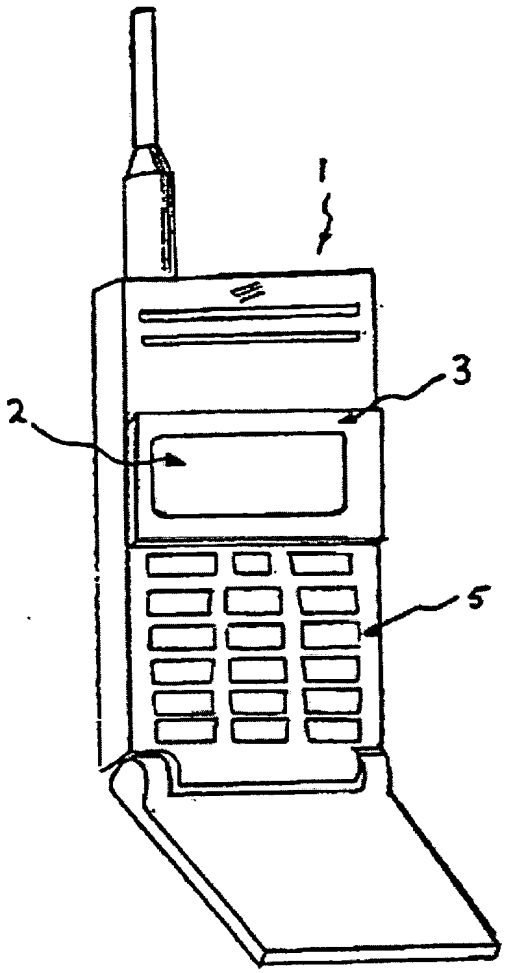

FIG. 1

IPAS-BUS 28.05.2008

HIT: 2 OF 2, Selected: 0 OF 0

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Accession Number
2000-026288

Title Derwent
Display for a portable device e.g. a portable telephone

Abstract Derwent
Novelty: A portable device (1) has a display with a first element (2) adapted to display information and a second electrochromic element (3), which at least partially covers the first element.
Description: An INDEPENDENT CLAIM is also included for a method of saving power in a portable device.
Use: To enhance the conventional display of a conventional portable device, e.g. a mobile phone.
Advantage: The design flexibility of the display is enhanced and the power consumption is reduced.
Description of Drawing: The drawing shows an example of the invention when applied to a mobile telephone, with the electrochromic window in a transparent state.Portable device (1)First element (2) Second electrochromic element (3)

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Patent Family Information

GB2338579-A	1999-12-22	WO1999066696-A1	1999-12-23
AU9942652-A	2000-01-05	SE200000498-A	2000-04-07
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CN1134960-C	2004-01-14		

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GB000013116 1998-06-17

Derwent Class
P81 P85 T01 T04 U14 U24 W01

Manual Code

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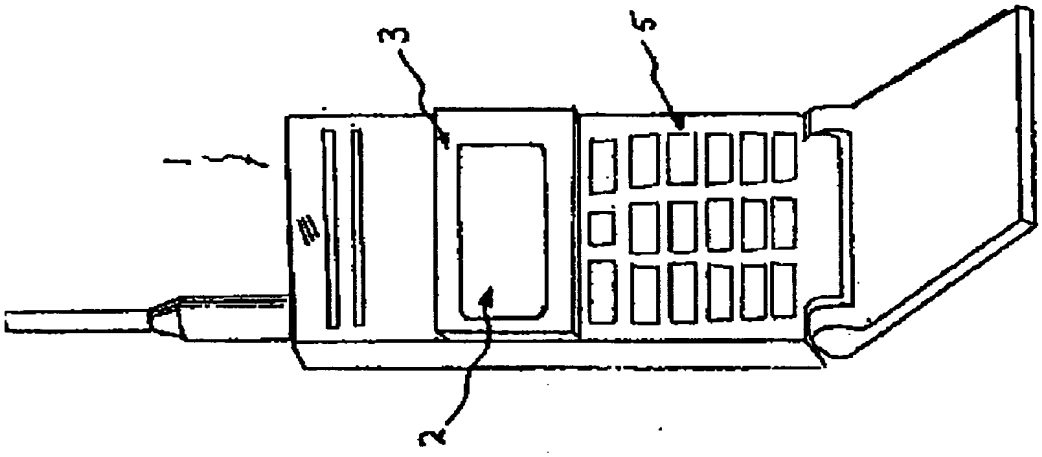
T04-H03B	T04-H03C2	U14-K02

U24-X W01-C01A2 W01-C01D3C
W01-C01E5B

International Patent Classification (IPC)

IPC Symbol	IPC Rev.	Class Level	IPC Scope
G09F-9/35	2006-01-01	I	C
H04M-1/02	2006-01-01	I	C
H04Q-7/20	2006-01-01	I	C
H04Q-7/38	2006-01-01	I	C
G09F-9/35	2006-01-01	I	A
H04M-1/02	2006-01-01	I	A
H04Q-7/20	2006-01-01	I	A
H04Q-7/38	2006-01-01	I	A
G06F-1/32	2006-01-01	N	C
H04M-1/72	2006-01-01	N	C
G06F-1/32	2006-01-01	N	A
H04M-1/725	2006-01-01	N	A
H04M-1/73	2006-01-01	N	A

Drawing



US006349221B1

(12) **United States Patent**
Wolf et al.

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(45) **Date of Patent: Feb. 19, 2002**

(54) **DISPLAY FOR A PORTABLE DEVICE**

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(73) Assignee: **Telefonaktiebolaget LM Ericsson (publ)**, Stockholm (SE)

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(21) Appl. No.: **09/333,654**

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(51) **Int. Cl.**[7] **H04B 1/38**; G09G 3/38

(52) **U.S. Cl.** **455/566**; 455/574; 455/575; 455/90; 455/351; 345/105; 345/6

(58) **Field of Search** 455/566, 574, 455/575, 90, 347, 351; 345/4, 105, 87, 169, 5

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(57) **ABSTRACT**

A portable device, for example a portable phone (1), has a display comprising a first element (2) and a second element (3). The first element (2) is adapted to display information, and the second element (3) is an electrochromic element, which at least partially covers the first element (2). This has the advantage of allowing the electrochromic window to enhance the design flexibility of the display. In addition, the display enables power consumption to be saved in a portable device having such first and second elements, by switching off the first display element when the device is placed into a standby mode, and switching the electrochromic element into a non-transparent state to indicate that it is in said standby mode. The device may also be used with other portable devices such as a personal organizer or laptop computer.

22 Claims, 2 Drawing Sheets